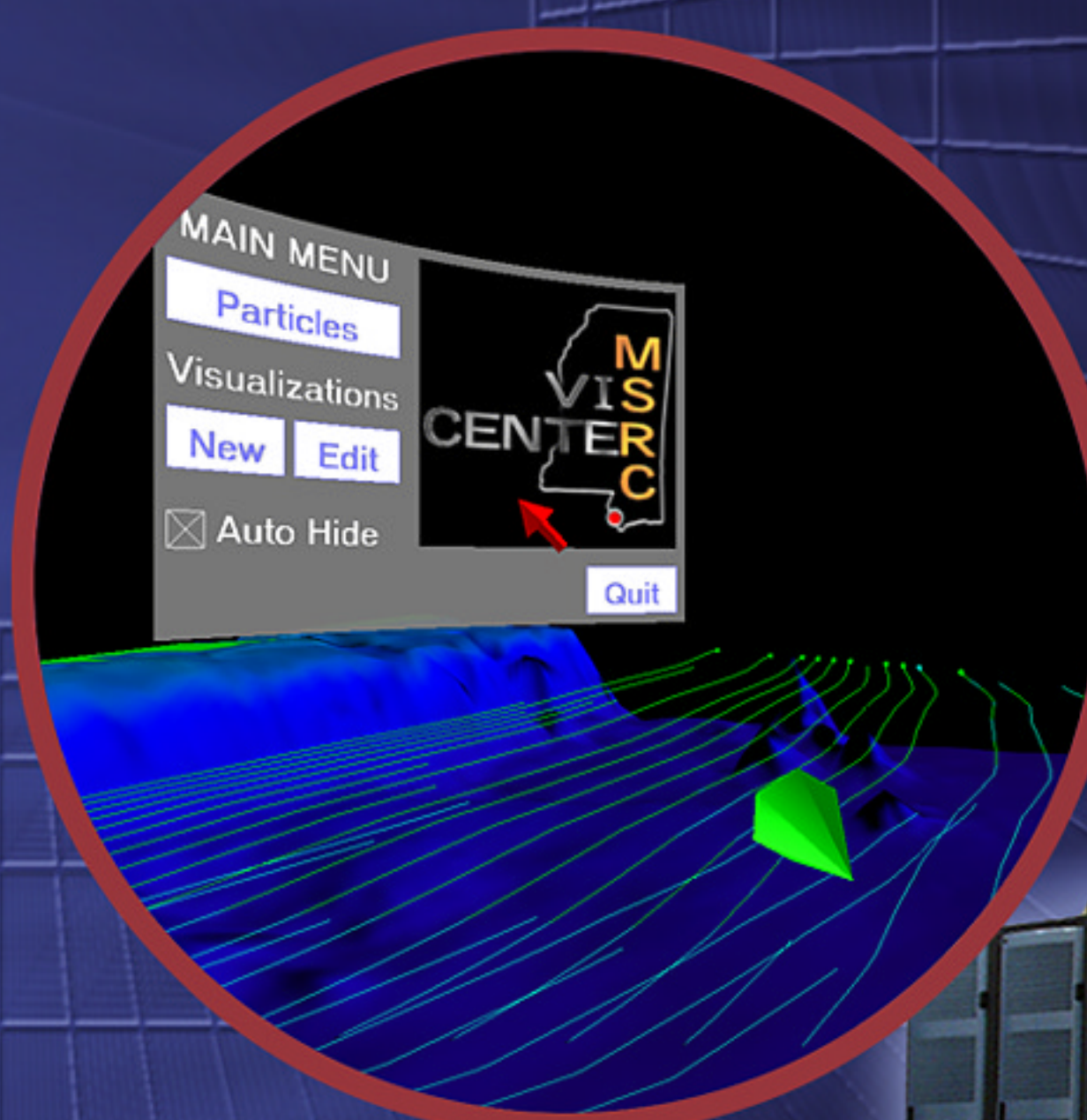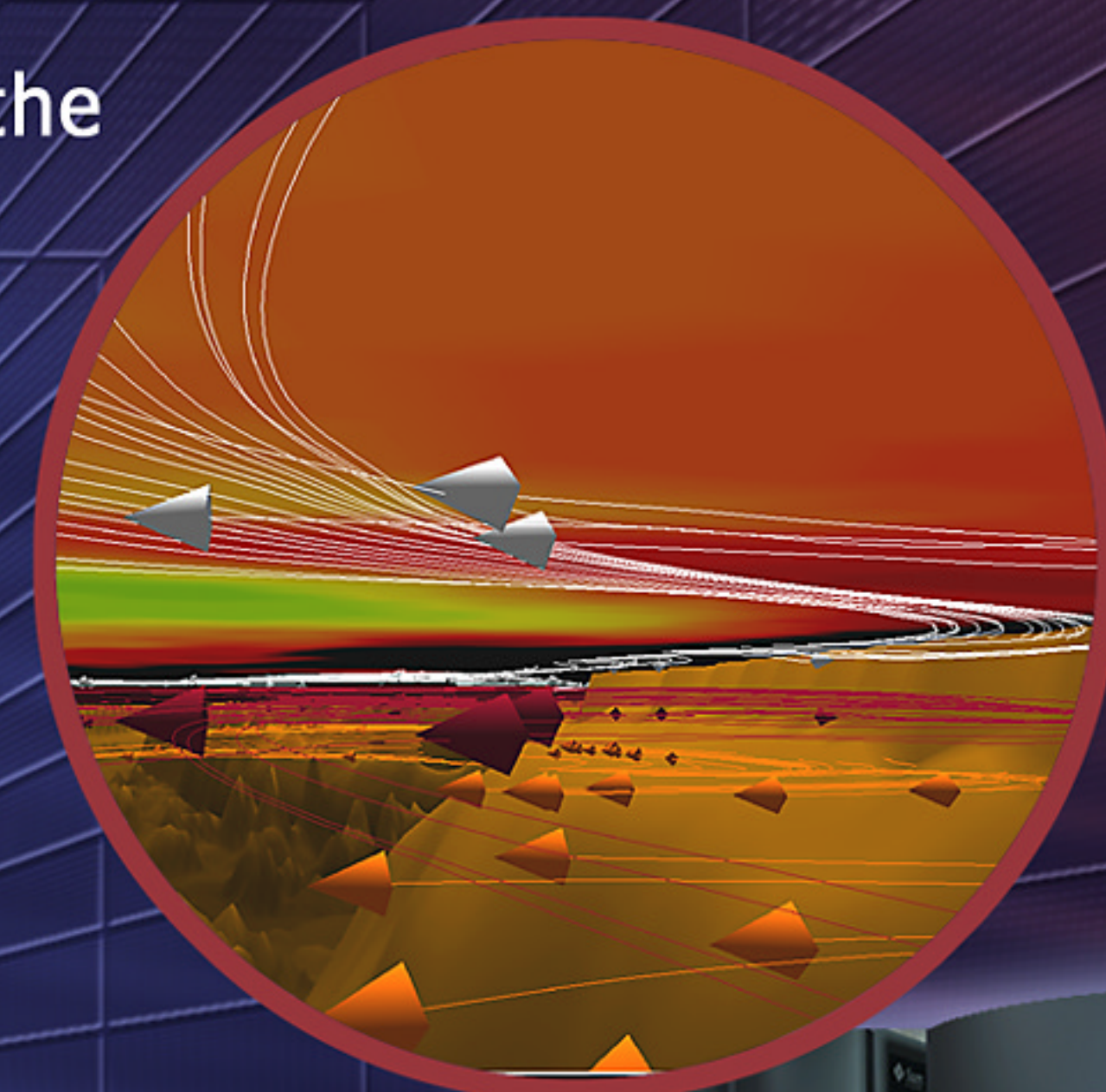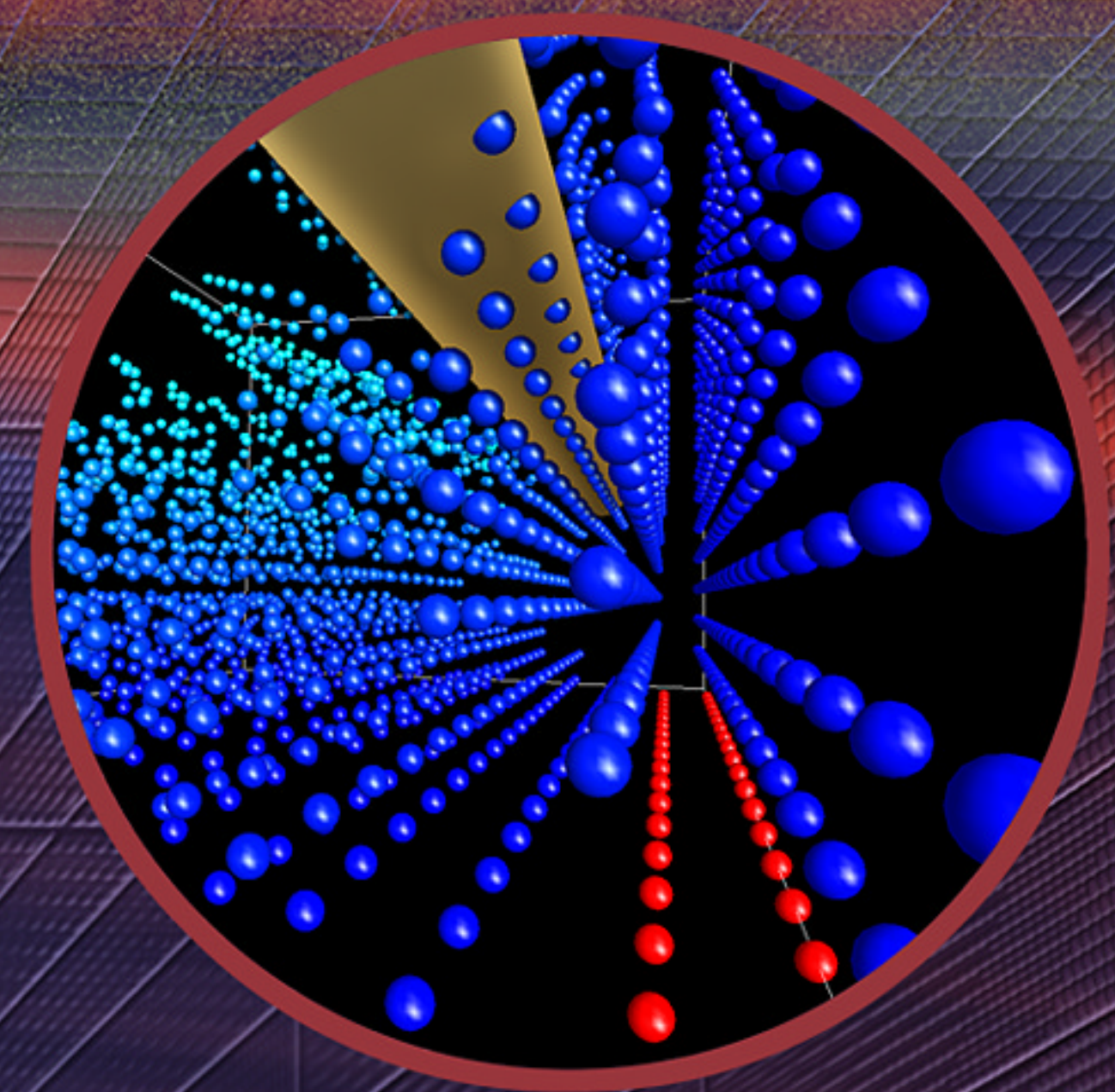# NAVO MRSC Visualization

Scientific visualization merges both science and computer graphics in a manner that permits users to view a vast array of numerical data in easily identifiable formats, such as colorized slice planes, streamlines, shaded reliefs, 3-D isosurfaces, and animations. Animations can take place in time (temporal) and/or space (spatial). Scientific visualization is the process of creating information from data or numbers.

The scientific data are extracted and placed in a visual format, which makes the information easier to understand. Visualization establishes confidence in both mathematical models and databases. At the NAVO MSRC state of the art hardware and software is leveraged by trained staff members to provide effective visualization techniques to our DoD users.
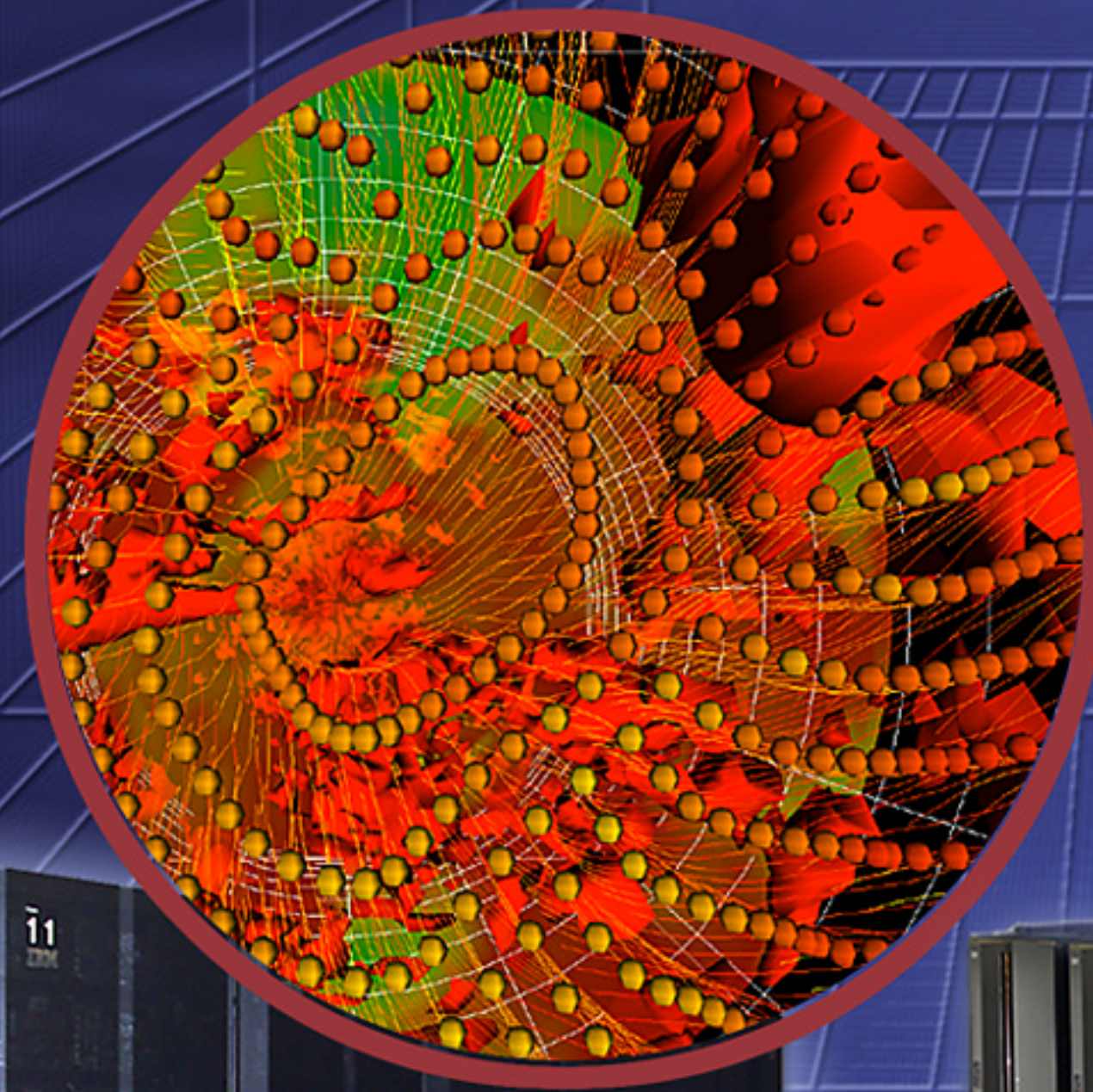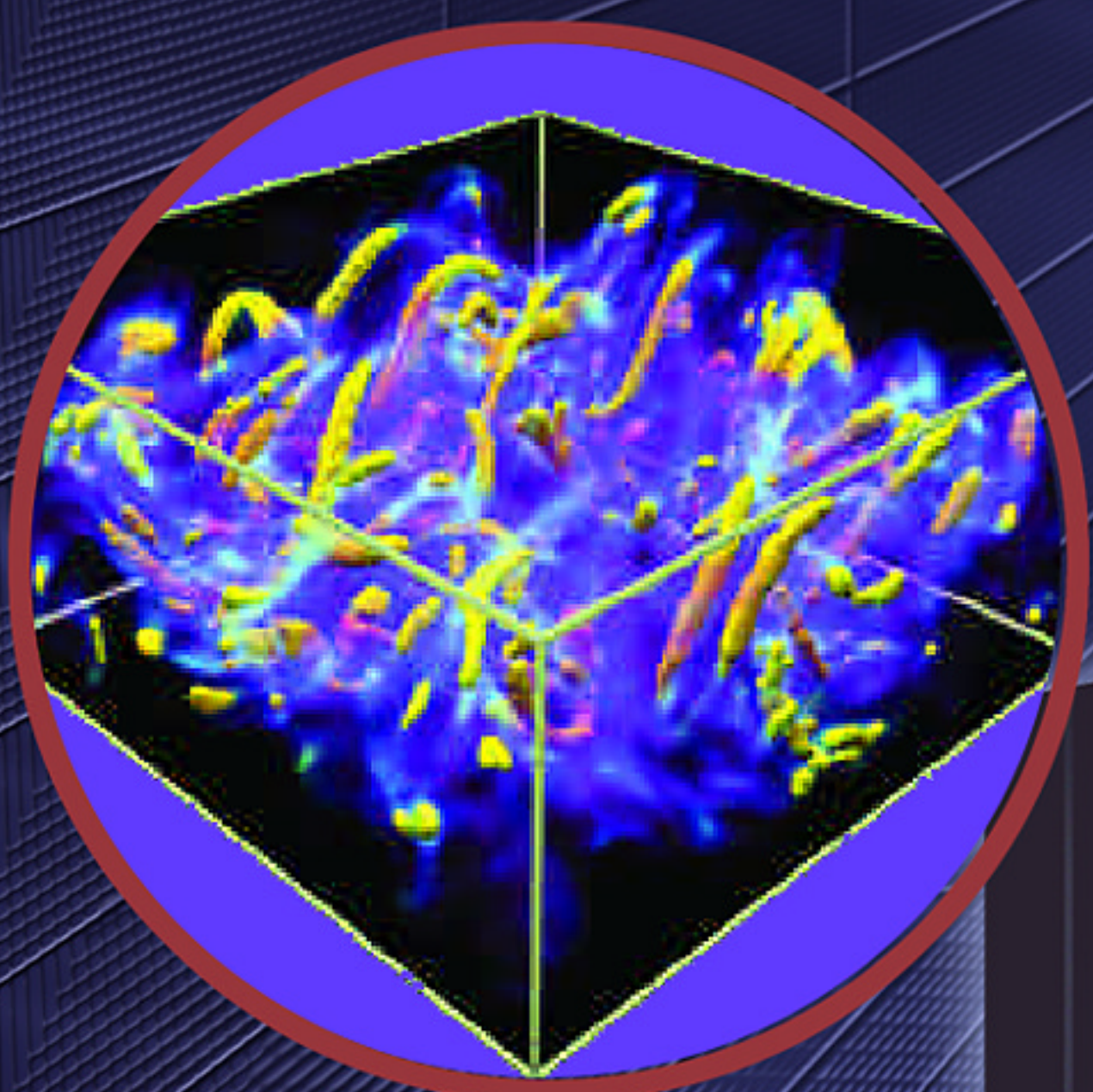
The NAVOCEANO MSRC Scientific Visualization Center (SVC) resources include hardware, software, and support personnel to facilitate visualization of scientific data. The Multimedia Studio allows users to capture their animations on a variety of media. The work performed on state-of-the-art graphics hardware is saved on tape or optical disk, is playable on VCR and/or PC or laptop, and is a critical means of documenting and presenting the work.

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